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Total # of Pages : 4 (including this page)

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Examiner Shin-Lin Chen	571-272-0726	571-273-0726
United States Patent and Trademark Office		

From : Suet Chong
Date : December 8, 2004
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PAGE 1/4 * RCVD AT 12/8/2004 4:44:44 PM [Eastern Standard Time] * SVR:USPTO-EFAXRF-1/26 * DNIS:2730726 * CSID: * DURATION (mm:ss):01:10

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76333/108

June 7, 1995

The "Received" stamp of the U.S. Patent & Trademark Office hereon acknowledges receipt of the accompanying Patent Application of Joel S. GREENBERG

for PROTECTION FROM IONIZING IRRADIATION OR CHEMOTHERAPEUTIC DRUG
DAMAGE BY IN VIVO GENE THERAPY

Including: **FILED UNDER 37 CFR 1.53(b)

42 pages of spec.; 31 claims; 7 shs. dwgs.; ** Declaration; Other Assignment

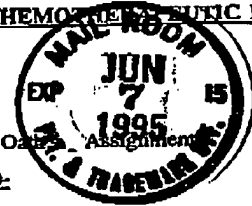
Claim for Convention Priority & Priority Doc.; and Check for -0-

Other:

Due: June 7, 1995

08/484836

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Assistant Commissioner for Patents
Washington, D. C. 20231

APPLICATION UNDER 37 C.F.R. 1.53(b)

Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR(S): Joel S. GREENBERGER

TITLE: PROTECTION FROM IONIZING IRRADIATION OR CHEMOTHERAPEUTIC DRUG
DAMAGE BY IN VIVO GENE THERAPY

In connection with this application, the following are enclosed:

- 42 Pages of Specification with Abstract
- 31 Claims
- 7 Sheets of Drawings
- XX Declaration, Power of Attorney to be filed under provisions of 37
C.F.R. 1.53(d)
- Information Disclosure Statement/PTO-1449/
- Certified Priority Application and Priority Claim
- Statement of Small Entity Status
- Other:

The fee has been calculated as shown below. (Small entity fees
indicated in parentheses.)

(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$730 (\$365)
Total Claims	31 - 20 =	11	x \$22 (x \$11)	242.00
Independent Claims	2 - 3 =	0	x \$76 (x \$38)	0.00
Multiple Dependent Claims			\$240 (\$120)	0.00
Surcharge Under 37 C.F.R. 1.16(e)			\$130 (\$65)	130.00
TOTAL FEE:				\$1,102.00

Kindly advise the undersigned of the period of time within which to file
the oath or declaration of the inventors and TOTAL FEE.

Respectfully submitted

Date: June 7, 1995
Docket No.: 76333/108

Stephen A. Bent
Reg. No. 29,768

- 46 -

Abstract of the Disclosure

5 A method of protecting a subject against an agent that
elicits production of toxic free radicals, superoxide anions, or
heavy metal cations in the subject is disclosed which entails in
vivo administration to the subject of a polynucleotide encoding
a protein that is transiently expressed in said subject. The
transiently expressed protein is capable of neutralizing or
eliminating the toxic free radicals, superoxide anions or heavy
10 metal cations that are elicited by the agent. The method is
particularly useful in protecting cancer patients against the
damaging effects of ionizing radiation and chemotherapeutic
drugs. A composition useful in carrying out the method also is
disclosed.